

Abstract

5

A sensor arrangement, in particular as part of a reflection light barrier, comprising a carrier on which a photodiode, a first light emitting diode for the transmission of a measuring light beam, in particular a pulsed measuring light beam, and a second light emitting diode for the transmission of 10 a reference light beam, in particular a reference light beam pulsed offset in time with respect to the measuring light beam, and a light transmitting housing enclosing the photodiode and the two light emitting diodes are arranged, wherein the second light emitting diode is arranged on the carrier such that the reference light transmitted by it is essentially not 15 incident on the photodiode from the side.

Reference numeral list

1	carrier board
1a	first layer of 1
5 1a	second layer of 1
2a	first plane
2b	second plane
3	photodiode
3a	upper side of 3
10 4	first light emitting diode
5	second light emitting diode
6	housing
7	facet
8	object
15 I	beam direction
I	beam direction
III	beam direction
I	beam direction
h	height of 3